

# FIDELIPAC®

## AUTOMATIC TAPE CARTRIDGES



This is Fidelipac, the automatic, continuous single reel tape magazine that has set the standard for cartridge operation in the broadcast industry.

It provides a tape supply in an endless loop for the recording and playback of any material that is to be used repeatedly.

It is available with prepackaged tape lengths from a few seconds to four hours.

When the playing cycle is complete, Fidelipac is automatically in position to repeat your message.

It does not have to be rewound or threaded and will perform as long as you desire.

**HIGH QUALITY PLAYBACK** ■ Fidelipac meets the most critical broadcast standards, including those of AM, FM and FM stereo. Whatever is recorded is played back with true fidelity as long as required. The sound level remains constant and requires no readjusting of equalizer settings.

Broadcasting levels can be set **before** the material goes on the air, which is often not possible with commercial discs. Fidelipac's exclusive patented features and superior construction meet National Association of Broadcasters standards and assure the ultimate flexibility in sound reproduction.

Today, about 60% of the broadcast stations in America and in many foreign lands use Fidelipac. Engineers and station managers alike have found Fidelipac the ideal way to automate their increasing load of commercials and recorded announcements.

Manufacturers of stereo and monaural tape systems for automobiles and boats furnish their customers with complete music programs which they have recorded on Fidelipac. TelePro supplies Fidelipacs to these manufacturers, ready for multiple dubbing.

Railway, bus and airline terminals use Fidelipac for announcements to travelers. Messages can be changed as often as necessary, using the same cartridge. For department stores using sound or audio-visual sales messages, Fidelipac provides self-repeating, synchronized sound. The industrial uses of Fidelipac are unlimited. Machinery programming instructions for a complete day's work can be recorded and easily changed to meet variations in production.

School and universities, libraries and language labs can record programmed learning courses with the TelePro Fidelipac. The cartridge can be used in teaching machines and in connection with other audio-visual teaching aids. The great advantage to Fidelipac is that it can be used by individual students and can be replayed continuously according to their own learning speeds. For audio-visual training Fidelipac provides facility for cueing slides to synchronize with sound.

**AUTOMATIC PROGRAMMING** ■ Fidelipac will not only record and play back commercials and other messages, but will also take signals to (1) cue up each tape at the beginning of a program and (2) activate other equipment, such as turntables, TV slide projectors, other tape recorders and other devices capable of remote control. An entire day's programming can be presented with a series of Fidelipac cartridges with no problem of tape threading or cue fluffs. Thus, one engineer can supervise an entire day's broadcast operation.

**REDUCES HUMAN ERROR** ■ Busy engineers cannot accidentally disturb the performance of Fidelipac, because it fits snugly into the machine, out of harm's way. There is no danger of jarring the cartridge, thus avoiding the kind of accident that sometimes occurs when studio personnel bump into turntables.

Fidelipac also eliminates other human errors occasionally encountered with discs, such as putting on the wrong tone arm or knocking the arm off the record. Messages originally recorded at various speeds can be transferred to Fidelipac and played back at a uniform speed. This eliminates a type of error that sometimes occurs with discs, in which an engineer may inadvertently play a record at the wrong speed.

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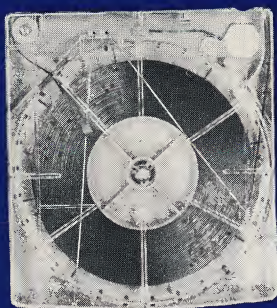
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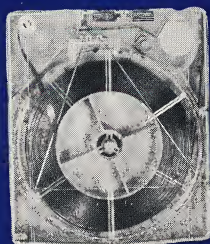
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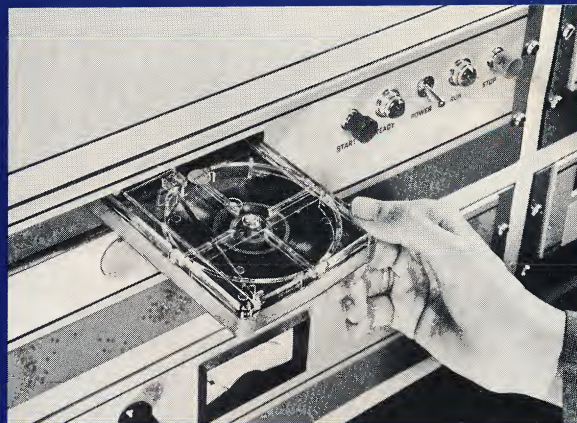
Fidelipac 1200' model



Fidelipac 600' model



Fidelipac 300' model



Fidelipac cartridges fit easily into all leading decks.



Music to motor by. The deck is mounted under the dashboard with 4 stereo speakers. Over 1,000 artists are recorded on Fidelipacs.



Transfer room, station 3UZ, Melbourne, Australia — one of over 2,800 stations throughout the world using Fidelipac cartridges.

## SIMPLICITY OF OPERATION

Within the Fidelipac cartridge the tape is pulled from the center of the reel, passes the playing or recording head and is then automatically rewound on the outside of the reel. The whole operation takes place within the magazine, and the tape is never touched. Fidelipac's patented brake spring mechanism prevents the tape from creeping when it is not in operation. Graphite rods on the reel prevent binding.

## UNIFORMITY OF PERFORMANCE

Once loaded, Fidelipac never needs to be threaded or rewound. When it is inserted into the tape deck, it makes contact with the playback or recording head. There are 3 tape head openings in models #1200 and #600 and 2 openings in the smaller sized model #300, permitting flexible head configurations. There is never any tape spill-out or warping, and Fidelipac is so designed as to prevent binding, seizures and snaps.

## ADAPTABILITY

Fidelipac will fit any NAB standard tape deck made for tape cartridge recording or playback. It incorporates a built-in safety feature which will not allow the reel to turn unless the cartridge is properly in place. This eliminates any possibility of poor performance.

## VERSATILITY

Fidelipac may be operated from the slowest recording speed of  $1\frac{1}{8}$  ips to 15 ips. For instance, if Fidelipac Model #300 is loaded with 300 feet of tape, it will repeat itself every 4 minutes at 15 ips; every 8 minutes at  $7\frac{1}{2}$  ips; every 16 minutes at  $3\frac{3}{4}$  ips; every 32 minutes at  $1\frac{1}{8}$  ips. In other words, each time tape playback speed is cut in half, you effectively double the program content you can record on a given length of tape. In addition, by using the Mobius loop with double coated tape, program content can be doubled again. This becomes a distinct advantage in broadcasting operations, in which the consolidation of more program material on one tape helps solve the storage problem.

The Model #600, carrying 600 feet of tape has double the programming content of Model #300. The 1200-foot tape load in Model #1200 is capable of a maximum of about 4 hours of programming at  $1\frac{1}{8}$  ips, or 4 times the program content of Model #300.

## RE-RECORDING

New material can be re-recorded on Fidelipac by simply erasing the old material and recording the new. The cartridges need not be reloaded for the life of the tape.

## EASE OF STORAGE AND MARKING

Fidelipac's flat surface and square design permits easy storage; the smooth edges allow room for identification markings. Its ribbed, reinforced construction provides a structural strength that assures long life under daily use. The transparent styrene top allows for viewing the cartridge operation.

## TAPE DURABILITY

Fidelipac's tape load records all information electronically, without the need for perforating its surface. Therefore, there are no holes that might become torn. Tape can be played without the deterioration experienced with commercial discs, which eventually develop surface noise and wear out because of needle friction.

**Fidelipac** is a development of the engineering staff of the Conley division of TelePro Industries, Incorporated. The superior quality of Fidelipac is a tribute to the professional discipline, knowledge and experience of the TelePro staff and typifies the kind of research given to all TelePro products.

Every Fidelipac cartridge is carefully inspected by the Quality Control department and does not leave the factory without its approval.

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**CONLEY** DIVISION

**TelePro** INDUSTRIES, INC.

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